

ELECTRICAL CHARACTERISTICS @ 25°C

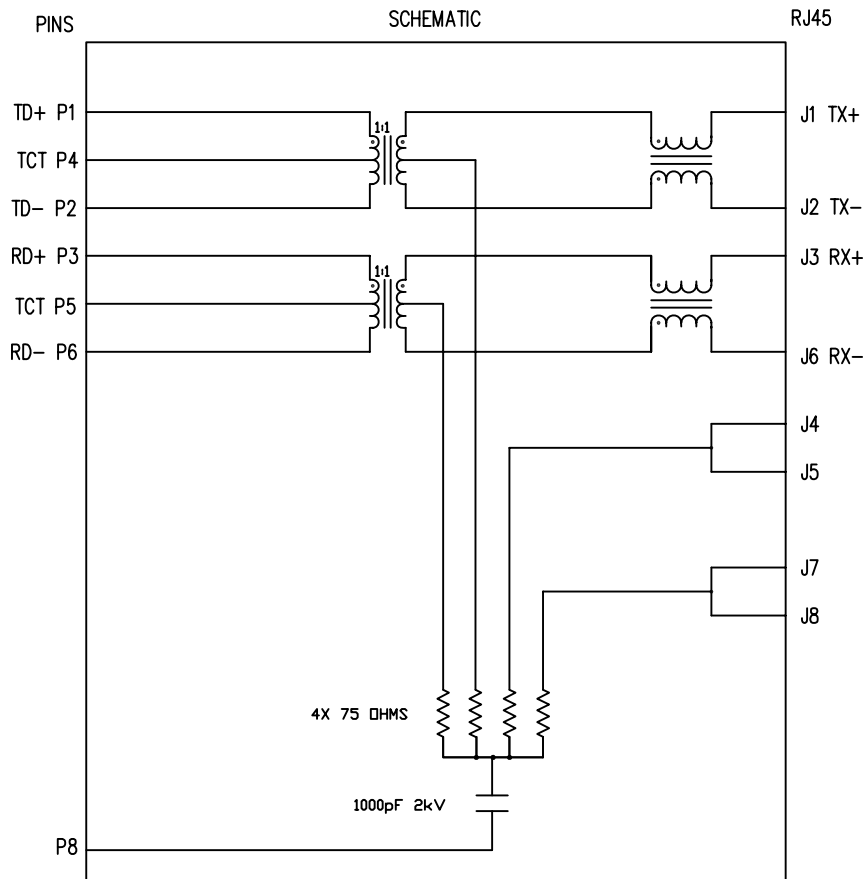
- 1.0 TURNS RATIO: (P3-P5-P6) : (J3-J6) : 1CT : 1CT± 3%
(P1-P4-P2) : (J1-J2) : 1CT : 1CT ± 3%
- 2.0 INDUCTANCE: (P1-P2) : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
(P3-P6) : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
- 3.0 LEAKAGE INDUCTANCE: P6-P3 (WITH J6 AND J3 SHORT) : 0.3 MAX. @ 1MHz
P2-P1 (WITH J2 AND J1 SHORT) : 0.3 MAX. @ 1MHz
- 4.0 INTERWINDING CAPACITANCE: (P6,P5,P3) TO (J6,J3) : 30pf MAX @ 1MHz
(P2,P4,P1) TO (J2,J1) : 30pf MAX. @ 1MHZ
- 5.0 DC RESISTANCE: (J6-J3)=(J2-J1) : 1.2 ohms Max.

RECEIVE

- 6.0 RETURN LOSS: (P6-P4)=100 OHMS AND (P1-P2)=100 OHM REF.
1MHz TO 30MHz : 18dB MIN.
60MHz TO 80MHz : 12dB MIN.



NOTE: 100 OHMS CONNECTED TO (J2-J1) OR (J6-J3).

- 7.0 DIELECTRIC WITHSTAND: (J1, J2) TO (P1, P2) : 1500 Vrms
(J3, J6) TO (P3, P6) : 1500 Vrms
- 8.0 INSERTION LOSS: RS=RL=100 ohms
100KHz TO 100MHZ : 1.1 dB TYP
- 9.0 RISE TIME: RS=100 OHMS AND RL = 100 OHMS
OUTPUT VOLTAGE = 1 V peak : 3.0 nS MAX
PULSE WIDTH= 112nS : 3.0 nS MAX
- 10.0 CROSS TALK: 1MHz TO 100MHZ : 40 dB TYP
- 11.0 COMMON TO COMMON MODE ATTENUATION: 30MHz TO 100MHz : 35dB TYP
- 12.0 OPERATING TEMPERATURE : 0°C TO 70°C



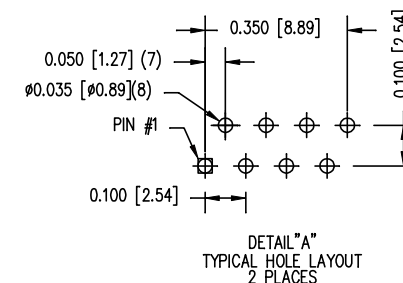
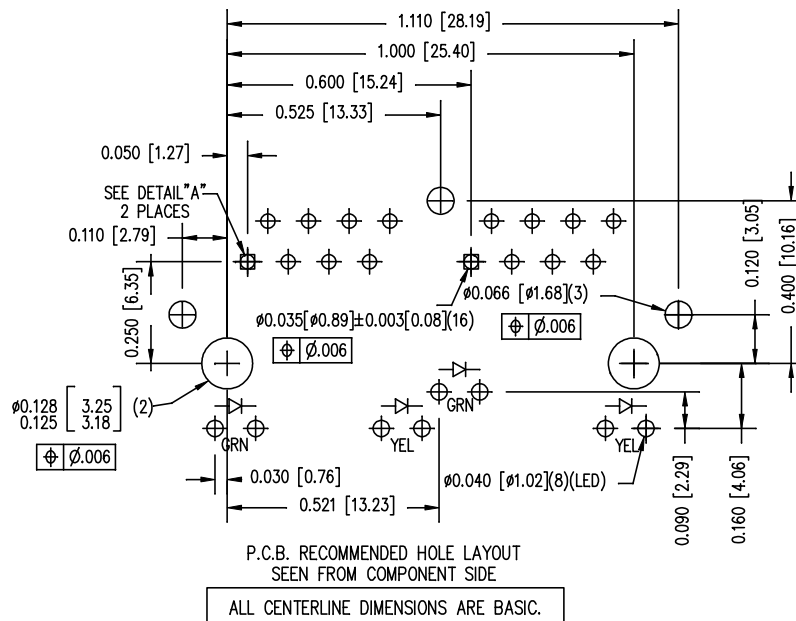
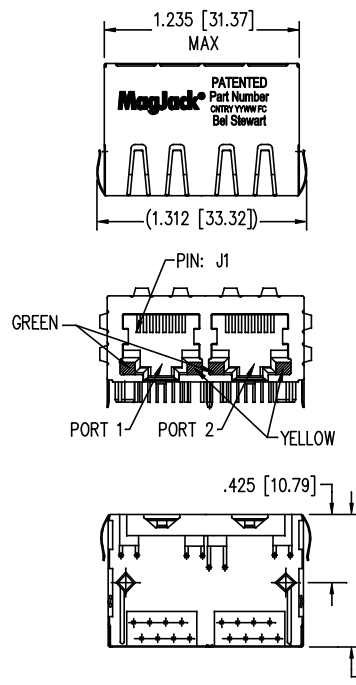
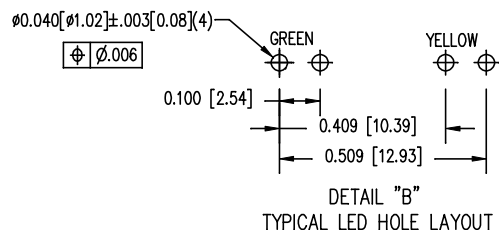
NOTES

- 1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE		
X.B Wei	05-24-10	 10/100BT TAB DOWN,SHIELDED PATENTED	SI-60159-F	.X	UNIT : INCH [mm]	REV. : A2	
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A	SIZE : A4	
RS Zhang	05-24-10		SI-60159-F.DWG	.XXX	±0.005	PAGE : 2	

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RoHS
2002/95/EC



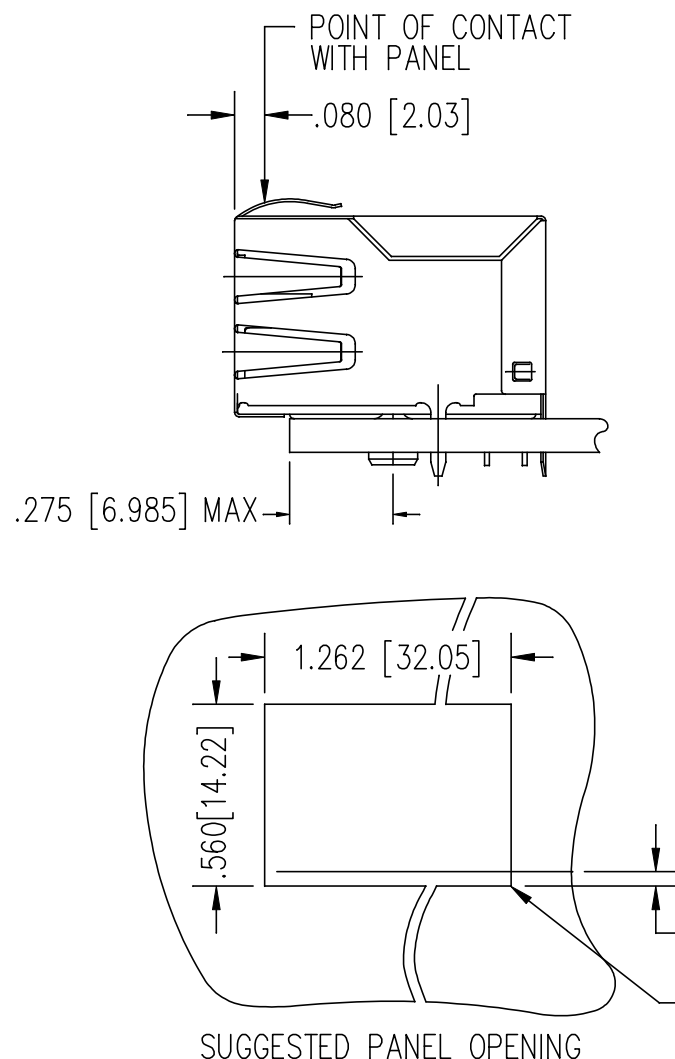
NOTES:

- CONNECTOR MATERIALS:
HOUSING: THERMOPLASTIC UL94 V-0
CONTACT/SHIELD: COPPER ALLOY
SHIELD PLATING: NICKEL OR TIN
CONTACT PLATING: SELECTIVE GOLD,
50 MICRO-INCHES MIN. IN CONTACT AREA.
- PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED.
SEE ELECTRICAL DRAWING FOR OMITTED PINS.
- TOLERANCES COMPLY WITH F.C.C. DIMENSION REQUIREMENTS.
- ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE ±0.005 [0.13]
- WAVE SOLDER COMPATIBLE - PREHEAT 125°C/90SECS.

LED SPECIFICATION			
STANDARD LED	WAVELENGTH	FORWARD V (MAX)	* (TYP)
GREEN	565 nm	2.5 V	2.2 V
YELLOW	590 nm	2.5 V	2.1 V

*WITH A FORWARD CURRENT OF 20 mA (TYP)

ORIGINATED BY	DATE	TITLE <div>MagJack®</div> <div>10/100BT</div> <div>TAB DOWN,SHIELDED</div> <div>PATENTED</div>	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		<div>bel</div> <div>COMPONENTS FOR A CONNECTED PLANET</div>		
X.B Wei	05-24-10		SI-60159-F	TOL. IN INCH		UNIT : INCH [mm]			REV. : A2	
DRAWN BY	DATE		FILE NAME SI-60159-F.DWG	.X	<div></div>	SCALE : N/A			SIZE : A4	
RS Zhang	05-24-10			.XX		<div></div>			<div></div>	PAGE : 3
				.XXX						



1. THE SUGGESTED PANEL OPENING IS INTENDED TO GIVE THE USER THE ABILITY TO HAVE REASONABLE JACK / PANEL CLEARANCES YET MAINTAIN RELIABLE GROUNDING CAPABILITY.
2. ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE ± 0.005 [0.13]

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
X.B Wei	05-24-10	MagJack® 10/100BT TAB DOWN,SHIELDED PATENTED	SI-60159-F		UNIT : INCH [mm]	REV. : A2
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4
RS Zhang	05-24-10		SI-60159-F.DWG	.XX		PAGE : 4
				.XXX	±0.005	